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Docket No. 201482US0XCIP/rm

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Isao KARUBE, et al.

SERIAL NO: 09/749,998

GAU: 1634

FILED: December 29, 2000

EXAMINER: J. A. GOLDBERG

FOR: METHOD FOR DETECTING DNA WITH PROBE PNA

INFORMATION DISCLOSURE/RELATED CASE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

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JUN 26 2002

TECH CENTER 1600/2900

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the attached European Search Report listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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SHEET 1 OF 1

|  |    |  |          |                                      |                       |                       |                               |
|--|----|--|----------|--------------------------------------|-----------------------|-----------------------|-------------------------------|
| Form PTO 1449<br>(Modified)  |    | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE   |          | ATTY DOCKET NO. 20148245<br>20148245 |                       | SERIAL NO. 09/749,998 |                               |
| LIST OF REFERENCES CITED BY APPLICANT  |    |  |          | APPLICANT Isao KARUBE, et al.        |                       |                       |                               |
|  |    |  |          | FILING DATE December 29, 2000        |                       | GROUP 1634            |                               |
| U.S. PATENT DOCUMENTS  |    |  |          |                                      |                       |                       |                               |
| EXAMINER<br>INITIAL  |    | DOCUMENT<br>NUMBER   | DATE     | NAME                                 | CLASS                 | SUB<br>CLASS          | FILING DATE<br>IF APPROPRIATE |
|  | AA |  |          |                                      |                       |                       |                               |
|  | AB |  |          |                                      |                       |                       |                               |
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|  | AM |  |          |                                      |                       |                       |                               |
|  | AN |  |          |                                      |                       |                       |                               |
| FOREIGN PATENT DOCUMENTS   |    |  |          |                                      |                       |                       |                               |
|  |    | DOCUMENT<br>NUMBER   | DATE     | COUNTRY                              | TRANSLATION<br>YES NO |                       |                               |
|  | AO | WO 97/04129  | 02/06/97 | WIPO                                 |                       |                       |                               |
|  | AP |  |          |                                      |                       |                       |                               |
|  | AQ |  |          |                                      |                       |                       |                               |
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|  | AT |  |          |                                      |                       |                       |                               |
|  | AU |  |          |                                      |                       |                       |                               |
|  | AV |  |          |                                      |                       |                       |                               |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  |    |  |          |                                      |                       |                       |                               |
|  | AW | J. WANG, et al., Journal of the American Chemical Society, Vol. 118, No. 33, pgs. 7667-7670, XP-002094817, "PEPTIDE NUCLEIC ACID PROBES FOR SEQUENCE-SPECIFIC DNA BIOSENSORS", August 21, 1996   |          |                                      |                       |                       |                               |
|  | AX | E. KAI, et al., Nucleic Acids Symposium Series, Vol. 37, pgs 321-322, XP-002121513, "NOVEL DNA DETECTION SYSTEM OF FLOW INJECTION ANALYSIS (2). THE DISTINCTIVE PROPERTIES OF A NOVEL SYSTEM EMPLOYING PNA (PEPTIDE NUCLEIC ACID) AS A PROBE FOR SPECIFIC DNA DETECTION", 1997 |          |                                      |                       |                       |                               |
|  | AY | <b>RECEIVED</b><br>JUN 26 2002<br>TECH CENTER 1600/2900  |          |                                      |                       |                       |                               |
|  | AZ |  |          |                                      |                       |                       |                               |
| Examiner   |    |  |          |                                      | Date Considered       |                       |                               |
| *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |  |          |                                      |                       |                       |                               |